

9/30/94


PM 14

34704-119

PS 124

Please read Instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <div style="font-size: 24pt; text-align: center;">207497</div>
	Application for Pesticide:		

Section I

1. Company/Product Number 34704-119	2. EPA Product Manager Robert A. Forrest	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Clean Crop Malathion 8EC Insecticide	PM# 14	
5. Name and Address of Applicant (Include ZIP Code) Platte Chemical Co. 150 S. Main St., Fremont, NE 68025-5697 SEND ALL CORRESPONDENCE TO : P.O. Box 667 Greeley, CO 80632-0667 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(e)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section II

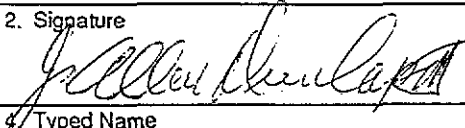
<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input checked="" type="checkbox"/> Resubmission in response to Agency letter dated <u>8/23/94</u>	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.) Deletion of Following Uses: Almonds, Apples, Asparagus, Carrots, Cranberries, Dates, Filberts, Melons, Pears, Plums, Prunes, Pumpkins, Quinces, Sugar Beets; Indoor Uses (Animal Premises, Homes, Meat Processing Plants); Bagged Citrus Pulp; Stored Commodities (Wheat, Oats, Rice, Corn, Rye, Barley, Grain Sorghum, Sunflowers, Peanuts, Almonds, Field and Garden Seeds); soil application for strawberries. Correct the Notice of Warranty Wording.

Section III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Unit Package wgt. _____ No. per container _____	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," Package wgt. _____ No. per container _____	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted.			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) of Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner In Which Label Is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other (_____)			

Section IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name J. Allen Dunlap III	Title Insecticides & Fungicides Registration Manager	Telephone No. (Include Area Code) 303/356-4400 ext. 283
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Manager Insecticide & Fungicides	
4. Typed Name J. Allen Dunlap III	5. Date 9/26/94	



MALATHION 8EC INSECTICIDE

Organophosphate Insecticide

Contains 8 lbs. malathion per gallon

ACTIVE INGREDIENTS:

Malathion*	80.0%
INERT INGREDIENTS**:	20.0%
TOTAL	100.0%

*O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate

**Contains xylene range aromatics.

KEEP OUT OF REACH OF CHILDREN CAUTION

EPA REG. NO. 34704-119

EPA EST. NO. _____

NET CONTENTS _____ GAL. (_____ L)

40085

EXP09Y94

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful by swallowing, inhalation or skin contact.
Avoid Breathing Spray Mist • Avoid Contact With Skin
Change Contaminated Clothing

Harmful If Swallowed. Avoid contact with skin. Avoid breathing of spray mist. Keep out of reach of children. Do not combine emulsifiable liquids with wettable powders in the same spray tank unless previous use of the materials being combined has proven them to be physically compatible. Use only with adequate ventilation. After using this product indoors, ventilate thoroughly before occupying enclosed spaces. Do not allow contact with treated surface until sprays have dried.

Personal Protective Equipment:

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed—Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If Inhaled—Remove victim to fresh air. Apply artificial respiration if indicated.

If on Skin—Wash affected areas with soap and water.

If in Eyes—Flush eyes with plenty of water. Call a physician if irritation persists.

Note to Physician—This product may cause cholinesterase inhibition. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, waterproof gloves and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly.

STORAGE: Store in safe manner. Store in original container or in a clean container tightly closed when not in use. Reduce stacking height where local conditions can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

MALATHION 8EC INSECTICIDE

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Storage and Disposal, Cont'd.

CONTAINER DISPOSAL; Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. **Plastic:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Apply when pests first appear and repeat as necessary to maintain control. Apply the following recommended rates in sufficient water to thoroughly cover one acre. By ground, apply a minimum of 200 gallons per acre on stone fruits and nuts; a minimum of 300 gallons per acre on pome fruits; a minimum of 200 gallons per acre on bush and vine fruits and a minimum of 2 gallons per acre on vegetable and field crops and a minimum of 20 gallons per acre on small fruits and tree crops. Use the designated amount in 100 gallons of water unless otherwise specified. Do not use in undiluted form.

CHEMIGATION:

Refer to supplemental labeling entitled "APPLICATION THROUGH IRRIGATION SYSTEMS—CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

RECOMMENDATIONS FOR USE

ALFALFA and CLOVER: Use 1 1/2 pts. per acre to control Aphids, Leafhoppers, Grasshoppers, Spider Mites, Lygus Bugs, Spittlebug, Alfalfa Weevil Larvae and Armyworms. For Spotted Alfalfa Aphid use 4/5 to 1 pint per acre by ground equipment and 1 to 1 1/5 pints per acre by airplane. Do not apply on alfalfa and clover in bloom. No time limitation.

APRICOTS, AVOCADOS, CHERRIES, FIGS, NECTARINES, PEACHES, PECANS: Use 1-1 1/2 pints to control Aphids, Thrips, Spider Mites, Mealybugs, Codling Moth, Eye-Spotted Bud Moth and Orange Tortrix. For control of Dried Fruit Beetles and Vinegar Flies on figs apply 2 1/2 pts. plus 1 to 2 gals. of unsulfured molasses per acre. For Scale on peaches apply to completion of hatching, about last of June. For Cherry Fruit Fly repeat application every 10 days. Injury may occur to certain varieties of sweet cherries particularly in the Northwest, and fruit spotting may occur on nectarines. Do not apply within 3 days of harvest on cherries and figs; within 7 days on apricots, avocados, nectarines and peaches. No limitation on Pecans.

BEETS (Garden & Table), RADISHES, DANDELIONS, EGGPLANT, ENDIVE, GARLIC, HORSERADISH, LEEKS, PARSLEY, PARSNIPS, PEAS, PEPPERS, SALSIFY, SHALLOTS, SPINACH, SWISS CHARD and WATERCRESS: Use 1/2-1 pint per acre to control Aphids, Spider Mites, Thrips, Leafhoppers, Pea Weevil and Mexican Bean Beetle. Do not apply within 3 days of harvest on Garlic, Eggplant, Leeks, Peas, Peppers and Shallots; within 7 days on Beets, Dandelions, Endive, Parsnips, Salsify, Swiss Chard, Spinach, Watercress and within 21 days on Parsley.

BEANS (Dry & Succulent): For the control of Aphids, Spider Mites, Thrips, Leafhoppers, Asparagus Beetle, Pea Weevil and Mexican Bean Beetle use 1 to 1 1/2 pints per acre by ground or air application Do not apply within 1 day of harvest.

BERRIES: CANEBERRIES (Blackberries, Boysenberries, Dewberries, Loganberries and Raspberries), and STRAWBERRIES: Use 1 1/2 to 2 pts. per acre to control Aphids, Thrips, Spider Mites, Whiteflies, leafhoppers, Rose Scale, Lygus Bugs, Spittlebugs, Leafrollers, and Blackheaded Fireworms. Do not apply within 3 days of harvest on Strawberries and within 1 day on Caneberries.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, KALE, MUSTARD GREENS, TURNIPS: Use 1 to 2 pts. per acre to control Aphids, Imported Cabbageworm and Cabbage Looper. Do not apply within 7 days of harvest on Brussels Sprouts, Cabbage, Kale, Mustard Greens and within 3 days on Broccoli and Turnips.

CELERY and CUCUMBERS: Use 1 1/2 pts. per acre to control Aphids, Spider Mites, and Cucumber Beetle. Do not apply within 7 days of harvest on Celery or within 1 day of harvest on Cucumbers.

CITRUS: (GRAPEFRUIT, LEMONS, LIMES, ORANGES, TANGERINES, TANGELOS and KUMQUATS): Use 1 to 2 pts. per 100 gals. of water to control Aphids and Scale Crawlers. Use 2 1/2 pts. per 200 gals. of water to control Thrips. Do not apply when trees are in bloom. Do not apply within 7 days of harvest.

CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips, Young Grasshoppers: Use 1-1 1/4 pts. per acre. Do not apply within 5 days of harvest or forage use. Caution: injury may occur in the whorl and silk stages with emulsifiable liquids.

COTTON: Use 1 pt. per acre to control Cotton Aphid, Leafhoppers, White Flies, Cotton Leaf Perforator, Cotton Leafworm, Thrips and Lygus Bugs. No time limitation.

GRAPES: Use 1 1/2 to 2 1/2 pts. per acre to control Grape Leafhoppers, Mealybugs and Spider Mites. Injury may occur to Ribier, Italia, Cardinal and Almeria grape varieties when Malathion is applied after the clusters appear. Do not apply within 3 days of harvest.

GRASS: Grass hay Pastures and Rangeland (barn grass, canary grass, fescue, orchard grass, red top, timothy and yellow foxtail): Aphids, Leafhoppers: Use 1-1 1/4 pt. Repeat application as necessary. Apply up to and including one day of harvest on grasses.

LETTUCE (Head & Leaf): Use 1 to 2 pts. per acre to control Aphids and Leafhoppers. Do not apply within 7 days of harvest on Head Lettuce and within 14 days on Leaf Lettuce.

MUSHROOMS (Greenhouse): Use 1 1/2 pts. per 130 gals. of water per acre or 1 1/4 tbsp. in 3 gals. water per 1000 sq. ft. of bed to control Spider Mites, Phorid Flies and Scliarid Flies. Make thorough applications as soon after picking as possible. Repeat applications as necessary, usually twice a week. Do not apply within 1 day of picking.

ONIONS: use 1 1/2 to 2 pts. per acre to control Thrips and Adult Onion Maggot Flies. Do not apply within 3 days of harvest.

PASTURE AND RANGELAND: Aphids, Grasshoppers, Leafhoppers: Use 1 1/4 pt. per acre in sufficient water for good coverage. Or use 1 1/4 pt. in 1 gallon of diesel fuel oil per acre by means of an airplane or a turbine-blower type sprayer. May be applied on day of harvest or grazing.

PEPPERS: Aphids, Pepper Maggot: Use 1 1/2 pts. per acre. Do not apply within 3 days of harvest.

POTATOES: Aphids, Blister Beetles, False Chinch Bugs, Leafhoppers, Mealybugs: 1 to 3 pts.

RICE: Grasshoppers, Rice Stink Bug: Use 10 ozs. per acre. Rice Leaf Miner: use 1 1/4 pts. per acre. Do not apply within 7 days of harvest. Tadpole Shrimp (California only): 2 pts. Restrict water spill from the treated fields for 48 hours following application.

SMALL GRAINS (Barley, Oats, Rye, Wheat): Armyworms, English Grain Aphids, Grasshoppers, Greenbugs: Use 1 to 1 1/4 pt. Do not apply within 7 days of harvest.

SQUASH: For control of Aphids, Leafhoppers, Pickleworm, Spider Mites, Cucumber Beetles, use 1 1/2 to 1 3/4 pints per acre by ground or air application. Do not apply within 1 day of harvest on squash.

TOMATOES: Aphids, Spider Mites: Use 1 1/2 pts. per acre. Drosophila Flies: Use 2 pts. per acre in full coverage application to fruit and foliage. Do not apply within 1 day of harvest. At rates over 2 pts. up to 3 1/2 pts. do not apply within 5 days of harvest. California Only: These higher rates may be applied up to 3 days of harvest.

FLY CONTROL: For use around outside of buildings which house domestic animals, around outside of homes, around yards and outside meat processing plants. Apply spray at rate of 1 gal. per 1,000 sq. ft. on painted surfaces and 2 gals. per 1,000 sq. ft. on unpainted surfaces where flies alight or congregate. In most cases, adding molasses or sugar to the spray prolong the insecticidal activity of malathion and serves as a fly attractant.

STRAIGHT MALATHION SPRAYS		MALATHION BAIT SPRAYS			
Amount of Spray	Amount of MALATHION 8EC	Amount of Bait Spray	Amount MALATHION 8EC	Sugar (or)	Unsulfurized Molasses or Corn Syrup
2 1/2	3/4 cup	2 1/2 gals.	3/4 cup	1 cup	1 cup
12 gals.	1 1/4 pts.	12 gals.	1 1/4 pts.	2 1/2 lbs.	1 qt.
100 gals.	1 1/4 gals.	100 gals.	1 1/4 gals.	20 lbs.	2 gals.

NOTE: Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and food products; also drinking fountains and feed troughs.

DROSOPHILA FLIES AND DRIED FRUIT BEETLES: On or around cull fruit and vegetable dumps, mix 7 1/2 pts. in 100 gals. of water and apply as a drench, using 8-10 gals. of spray per 100 sq. ft. (for best results dumps should not be over 18" deep). Do not feed treated fruit and vegetables.

MOSQUITO LARVAE: Apply 8 fluid ozs. per acre to standing water (intermittently flooded areas, stagnant water, temporary rain pools).

ADULT MOSQUITO and FLY CONTROL: Apply 7.2 to 9.6 fluid ozs. per acre for control of Adult Flies and Mosquitoes. Repeat as necessary. Can be applied to alfalfa, clover, pasture and range grass, grass hay, barley, oats, rye, wheat, beans, rice, tomatoes and non-agricultural lands. Do not apply within 7 days of harvest on barley, oats, rye, wheat and rice; 5 days of harvest on corn; 1 day of harvest on beans and tomatoes. No time limitation on alfalfa, clover, pasture and range grass, grass and grass hay. Do not apply to alfalfa and clover in bloom. Do not use on seed alfalfa. Treat shrubbery and vegetation where mosquitoes may reinfest. Shrubby and vegetation around stagnant pools, marshy areas, ponds and shorelines may be treated.

MALATHION 8EC can be applied as a dilute or low volume spray. To be applied only by trained personnel of Public Health Organizations, Mosquito Abatement Districts, Public Mosquito Control Programs and Professional Pest Control Operators. For low volume spray, apply 0.5 to 5 gallons of water per acre. For dilute recommendations, consult the label. Repeat applications should be made as necessary unless otherwise specified.

Undiluted spray droplets of Malathion will permanently damage automobile paint. Cars should not be sprayed. If accidental exposure does occur, the car should be washed immediately.

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MALATHION 8EC INSECTICIDE

EPA REG. NO. 34704-119

FLOWERS, ORNAMENTALS AND SHADE TREES: Follow general directions using 1 pint per 100 gallons of water in hydraulic sprayers or 1 gallon per 100 gallons in a mist blower (follow mist blower's manufacturer's directions for dilutions based on hydraulic sprayer recommendations): Aphids on elms, linden, maple; European Pine Shoot Moth on pines; Japanese Beetle (adults) on roses, flowers, flowering ornamentals; Leaf Hoppers on hawthorn, poplar, willow; Mealybugs and White Flies on azalea, rhododendron, laurel, andromeda, taxus; Thrips (exposed) on roses and flowers; Tarnished Plant Bug on ornamental fruit trees and flowers; Sawflies on ash, larch, pines, spruce; Lacebug on rhododendron, azalea, sycamore. Use 1 1/4 pints per 100 gallons for the following insects: Leaf Miner on birch, boxwood (apply early to mid-May). Repeat in 10 days; Tent Caterpillars on Flowering ornamentals. Apply when scale crawlers appear on the following ornamentals: Oak Kermes on oak, Fletcher Scale on taxus, juniper, arborjæ; Florida Juniper Scale on ornamental evergreens; Euonymus Scale on pachysandra; Pine Needle Scale on pines.

GRAIN STORAGE: Use MALATHION 8EC INSECTICIDE in wheat, corn, oats, barley and rye storage facilities to protect against confused flour beetle, rice weevil, granary weevil, sawtoothed grain beetle, lesser grain borer and as an aid in control of Indian meal moth. For a residual wall, floor, and machinery spray in grain elevators before loading grain, apply 5 pts. of this material per 25 gallons of water making through application. Before applying spray, clean elevators thoroughly. Remove and burn all sweepings and debris. Do Not apply directly to grain.

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

FORMULATED FOR
PLATTE CHEMICAL CO.
150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697